

critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ____ EQUITY INVESTMENT BY THE SBIC PROGRAM.

(a) IN GENERAL.—Part A of title III of the Small Business Investment Act of 1958 (15 U.S.C. 681 et seq.) is amended—

(1) in section 302(a) (15 U.S.C. 682(a))—

(A) in paragraph (1)—

(i) in subparagraph (A), by striking “or” at the end;

(ii) in subparagraph (B), by striking the period at the end and inserting “; or”; and

(iii) by adding at the end the following:

“(C) \$20,000,000, adjusted every 5 years for inflation, with respect to each participating investment company under section 321.”; and

(2) by adding at the end the following:

“SEC. 321. SMALL BUSINESS VENTURE CAPITAL AND EQUITY COMPANY INVESTMENT FACILITY.

“(a) DEFINITIONS.—In this section:

“(1) COVERED INVESTMENTS.—The term ‘covered investments’ means investments in—

“(A) small-business concerns operating in critical industries, including—

“(i) infrastructure, such as roads, bridges, and mass transit;

“(ii) water supply and sewer;

“(iii) the electrical grid;

“(iv) broadband and telecommunications; and

“(v) clean energy;

“(B) small-business concerns not less than 50 percent of which are owned and controlled by women, minorities, or veterans;

“(C) small-business concerns operating in rural or low-income areas, as determined by the Administrator using the most recently available data from the Bureau of the Census; or

“(D) small-business concerns that received awards under the SBIR or STTR program under section 9 of the Small Business Act (15 U.S.C. 638).

“(2) ELIGIBLE SMALL-BUSINESS CONCERN.—The term ‘eligible small-business concern’ means a small-business concern that is assigned a North American Industry Classification System code beginning with 31, 32, or 33 at the time at which the small-business concern receives an investment from a participating investment company under the facility.

“(3) FACILITY.—The term ‘facility’ means the facility established under subsection (b).

“(4) PARTICIPATING INVESTMENT COMPANY.—The term ‘participating investment company’ means a small business investment company approved to participate in the facility.

“(5) VENTURE SECURITY.—The term ‘venture security’ includes preferred stock, a preferred limited partnership interest or a similar instrument, including debentures under the terms of which interest is payable only to the extent of earnings.

“(b) ESTABLISHMENT.—

“(1) FACILITY.—The Administrator shall establish and carry out a facility to provide financial assistance to participating investment companies that make investments in covered investments or eligible small-business concerns in accordance with this section.

“(2) ADMINISTRATION OF FACILITY.—The facility shall be administered by the Administrator acting through the Associate Administrator described in section 201.

“(c) LICENSE.—The requirements for a license to operate as a small business investment company under section 301(c) shall

apply to a participating investment company, except that a participating investment company shall, in the application to participate in the facility, indicate whether the participating investment company shall make investments in eligible small-business concerns through—

“(1) the issuance of debentures; or

“(2) the issuance of venture securities.

“(d) REQUIRED INVESTMENTS.—A participating investment company shall invest not less than 30 percent of funds received under the facility in—

“(1) covered investments; or

“(2) eligible small-business concerns.

“(e) MAXIMUM LEVERAGE FOR ISSUANCE OF DEBENTURES.—

“(1) IN GENERAL.—Except as provided in paragraphs (2) and (3), the maximum amount of outstanding leverage made available to any participating investment company that issues debentures under this section shall not exceed the lesser of—

“(A) 150 percent of the private capital of the company; or

“(B) \$175,000,000.

“(2) EXCEPTIONS.—The maximum amount of outstanding leverage made available to any participating investment company—

“(A) shall not exceed the lesser of 200 percent of the private capital of the company or \$200,000,000, if—

“(i) the company invests not less than 45 percent of the funds in covered investments; or

“(ii) the company invests not less than 40 percent of the funds in eligible small-business concerns; and

“(B) shall not exceed the lesser of 200 percent of the private capital of the company or \$400,000,000, if—

“(i) the company invests not less than 60 percent of the funds in eligible small-business concerns; and

“(ii) the amount appropriated to carry out this section for the fiscal year in which the investments are made is not less than \$20,000,000,000.

“(f) ISSUANCE AND PURCHASE OF VENTURE SECURITIES.—

“(1) IN GENERAL.—The Administration may purchase venture securities issued by a participating investment company under the facility, which shall be in an amount—

“(A) except as provided in subparagraph (B), that does not exceed the lesser of—

“(i) 75 percent of the private capital of the company; or

“(ii) \$75,000,000; or

“(B) that does not exceed the lesser of 100 percent of the private capital of the company or \$100,000,000, if—

“(i) the company invests not less than 45 percent of the funds in covered investments; or

“(ii) the company invests not less than 40 percent of the funds in eligible small-business concerns.

“(2) FEES AND INTEREST.—In purchasing a venture security under paragraph (1), the Administration shall not assess any fee or interest on the value of the venture security.

“(3) DISTRIBUTIONS.—With respect to distributions related to the issuance of a venture security purchased by the Administration, the Administration shall be treated in the same manner as the most favored investor in the participating investment company.

“(g) REGULATIONS.—The Administration shall issue such regulations as may be necessary to carry out this section.

“(h) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to the Administration \$10,000,000,000, to remain available until expended, to carry out this section.”.

(3) REPEAL OF PARTICIPATING SECURITIES.—

(A) REPEAL.—Section 303(g) of the Small Business Investment Act of 1958 (15 U.S.C. 683(g)) is repealed.

(B) EFFECT ON EXISTING PURCHASES.—The repeal under subparagraph (A) shall not be construed to require the Administrator of the Small Business Administration to cancel, revoke, withdraw, or otherwise affect any purchase of participating securities under section 303(g) of the Small Business Investment Act of 1958 (15 U.S.C. 683(g)) before the date of enactment of this Act.

SA 1908. Mr. CARDIN submitted an amendment intended to be proposed by him to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. ____ REINSTATING SPECIALIZED SMALL BUSINESS INVESTMENT COMPANIES.

Section 301 of the Small Business Investment Act of 1958 (15 U.S.C. 681) is amended by inserting after subsection (c) the following:

“(d) SPECIALIZED SMALL BUSINESS INVESTMENT COMPANIES.—

“(1) IN GENERAL.—Notwithstanding any other provision of this Act, a small business investment company, the investment policy of which is that its investments will be made solely in small business concerns located in an area described in paragraph (2) may be—

“(A) organized and chartered under State business or nonprofit corporation statutes, or formed as a limited partnership; and

“(B) licensed by the Administration to operate under the provisions of this Act.

“(2) AREAS.—The areas described in this paragraph are—

“(A) a community that has been designated as a qualified opportunity zone under section 1400Z-1 of the Internal Revenue Code of 1986;

“(B) a HUBZone, as defined in section 31(b) of the Small Business Act (15 U.S.C. 657a(b)); and

“(C) any census tract or other area that is treated as a low-income community for purposes of section 45D of the Internal Revenue Code of 1986.”.

SA 1909. Mr. BROWN submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of division F, insert the following:

TITLE ____—STEM RESEARCH GAINS

SEC. ____01. SHORT TITLE.

This title may be cited as the “Strengthening the STEM Research Workforce to Generate American Infrastructure for National

Security Act of 2021” or the “STEM Research GAINS Act of 2021”.

SEC. 02. DEFINITIONS.

In this title:

(1) **COVERED FIELD.**—The term “covered field” means a field in science, technology, engineering, or mathematics research or development that is determined to be—

(A) a subject area relating to the national security of the United States;

(B) a subject area relating to the United States’ ability to compete in an open, fair, and competitive international market and achieve economic growth; or

(C) a subject area that is in need of expanded and strengthened academic pipelines to ensure a diverse workforce.

(2) **DIRECTOR.**—The term “Director” means the Director of the National Science Foundation.

(3) **FEDERAL SCIENCE AGENCY.**—The term “Federal science agency” has the meaning given the term in section 103(f) of the America COMPETES Reauthorization Act of 2010 (42 U.S.C. 6623(f)).

(4) **INSTITUTION OF HIGHER EDUCATION.**—The term “institution of higher education” means an institution of higher education described in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(5) **MINORITY.**—The term “minority” means American Indian, Alaska Native, Black (not of Hispanic origin), Hispanic (including persons of Mexican, Puerto Rican, Cuban, and Central or South American origin), Asian (including underrepresented subgroups), Native Hawaiian, Pacific Islander origin subgroup, or other ethnic group underrepresented in science and engineering.

(6) **MINORITY-SERVING INSTITUTION.**—The term “minority-serving institution” means—

(A) a part B institution (as defined in section 322 of the Higher Education Act of 1965 (20 U.S.C. 1061));

(B) a Hispanic-serving institution (as defined in section 502 of that Act (20 U.S.C. 1101a));

(C) a Tribal College or University (as defined in section 316 of that Act (20 U.S.C. 1059c));

(D) an Alaska Native-serving institution (as defined in section 317(b) of that Act (20 U.S.C. 1059d(b)));

(E) a Native Hawaiian-serving institution (as defined in section 317(b) of that Act (20 U.S.C. 1059d(b)));

(F) a Predominantly Black Institution (as defined in section 318 of that Act (20 U.S.C. 1059e));

(G) an Asian American and Native American Pacific Islander-serving institution (as defined in section 320(b) of that Act (20 U.S.C. 1059g(b))); or

(H) a Native American-serving, nontribal institution (as defined in section 319 of that Act (20 U.S.C. 1059f)).

(7) **STEM.**—The term “STEM” means science, technology, engineering, and mathematics, including computer science.

(8) **UNDERREPRESENTED FIELD.**—The term “underrepresented field” means a field in STEM in which the national rate of representation of women among tenured, tenure-track faculty, or nonfaculty researchers at doctorate-granting institutions of higher education is less than 25 percent, according to the most recent data available from the National Center for Science and Engineering Statistics.

(9) **UNDERREPRESENTED IN SCIENCE AND ENGINEERING.**—The term “underrepresented in science and engineering” means a minority group whose number of scientists and engineers, per 10,000 population of that group, is substantially below the comparable figure for scientists and engineers who are white

and not of Hispanic origin, as determined by the Secretary of Education under section 637.4(b) of title 34, Code of Federal Regulations, or similar successor regulations.

Subtitle A—Expanding Pipeline Programs to Research Opportunities

SEC. 11. RESEARCH AND DEVELOPMENT AREAS CRITICAL TO NATIONAL SECURITY.

(a) **COVERED FIELDS.**—The Industries of the Future Coordination Council established under subsection (c) of section 9412 of division A of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) shall conduct a study to identify areas for research and development that are covered fields.

(b) **REPORT.**—The Director of the Office of Science and Technology Policy shall include covered fields in the report on Federal research and development focused on industries of the future required under subsection (b) of such section 9412.

(c) **UPDATE.**—Not less than once every 5 years after the initial report is filed under subsection (b) of such section 9412, the Director of the Office of Science and Technology Policy shall, with advice from the Industries of the Future Coordination Council, prepare and submit to Congress a reassessment of the report under subsection (b), including the covered fields identified under subsection (a).

(d) **CONFORMING AMENDMENT.**—Section 9412(b) of division A of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) is amended by striking paragraph (6).

SEC. 12. RONALD E. MCNAIR POSTBACCALAUREATE ACHIEVEMENT PROGRAM.

Section 402E(g) of the Higher Education Act of 1965 (20 U.S.C. 1070a-15(g)) is amended to read as follows:

“(g) **FUNDING.**—In addition to amounts made available to carry out this section under section 402A(g), there are authorized to be appropriated \$100,000,000 for each of fiscal years 2022 through 2027 to carry out this section.”.

SEC. 13. INCREASING INVESTMENT IN UNDERGRADUATE SCIENCE PIPELINES.

(a) **IN GENERAL.**—There are authorized to be appropriated to the National Science Foundation \$750,000,000 for fiscal year 2022 and for each of the following 4 years, which shall be used, in amounts determined by the Director, for the following programs:

(1) The Advanced Technological Education Program.

(2) The CyberCorps Scholarship for Service Program.

(3) The Historically Black Colleges and Universities Undergraduate Program.

(4) Improving Undergraduate STEM Education (IUSE).

(5) The Louis Stokes Alliances for Minority Participation program.

(6) The Research Experiences for Undergraduates program.

(7) The Tribal Colleges and Universities Program.

(8) The Improving Undergraduates STEM Education: Hispanic-Serving Institutions Program.

(b) **SUPPLEMENT NOT SUPPLANT.**—The amounts authorized under subsection (a) shall supplement, and not supplant, any other amounts authorized for the National Science Foundation for the programs described in such subsection.

SEC. 14. BOLSTERING STEM PIPELINES STRATEGIC PLAN.

(a) **BROADENING PARTICIPATION STRATEGIC PLAN.**—Not later than 1 year after the date of enactment of this Act, the Director shall submit to Congress a report containing its

current strategic plan for the National Science Foundation to increase the capacity of STEM programs carried out by the National Science Foundation that are in effect as of the date of the report to increase the participation of individuals who are underrepresented in science and engineering, women who are underrepresented in STEM fields, and low-income and first-generation college students, in order to broaden participation in grants and programs carried out by the National Science Foundation. The report shall include—

(1) a description of how the grants and programs that are carried out by the National Science Foundation, as of the time of the report, are carried out in a manner that advances diverse pipelines in STEM fields, and a description of how the National Science Foundation can better advance such diverse pipelines;

(2) an analysis of the data collection that would allow for meaningful goal setting and transparency relating to the National Science Foundation’s progress in broadening participation of individuals from groups that are underrepresented in science and engineering with respect to those grants and programs;

(3) an analysis of how the National Science Foundation can meet goals related to broadening the participation of individuals from groups that are underrepresented in science and engineering by—

(A) creating or expanding funding opportunities;

(B) modifying existing research and development programs; and

(C) establishing coordination between existing programs carried out by the National Science Foundation;

(4) a description of the ways that the National Science Foundation works with minority-serving institutions to—

(A) enable those eligible institutions to compete effectively for grants, contracts, or cooperative agreements carried out by the National Science Foundation;

(B) encourage those eligible institutions to participate in programs carried out by the National Science Foundation and other Federal science agencies; and

(C) encourage students and faculty at the eligible institution to apply for and successfully earn graduate and professional opportunities from programs supported by the National Science Foundation;

(5) an analysis of the best ways to share best practices for institutions of higher education and Federal science agencies interested in supporting individuals from groups that are underrepresented in science and engineering; and

(6) an analysis of how the National Science Foundation can work with other Federal science agencies to advance goals related to broadening the participation of individuals from groups that are underrepresented in science and engineering.

(b) **REPORT TO CONGRESS.**—Not later than 2 years after the date of enactment of this Act, and every 5 years thereafter, the Director shall report to Congress on the implementation by Federal science agencies of the policy guidelines developed under this section.

SEC. 15. RESEARCH PROGRAM CLEARINGHOUSE AND TECHNICAL ASSISTANCE CENTER.

(a) **OPPORTUNITIES CLEARINGHOUSE.**—The Federal Coordination in STEM Education Task Force of the Committee on Science, Technology, Engineering, and Math Education of the National Science and Technology Council shall establish and maintain a public clearinghouse (including by maintaining a publicly available website) of all research programs sponsored by Federal

science agencies that are available to individuals as undergraduate and graduate students.

(b) **BEST PRACTICES CLEARINGHOUSE.**—The Director shall establish and maintain a clearinghouse that will collect, analyze, identify, disseminate, and make publicly available information about best practices for institutions of higher education to strengthen, at the undergraduate level, the pipeline of individuals pursuing careers in covered fields.

(c) **TECHNICAL ASSISTANCE.**—The Director shall establish and maintain a robust technical assistance center through the National Science Foundation that shall work with institutions of higher education seeking to implement strategies to—

(1) bolster and diversify the student body at the institution that pursue STEM fields; and

(2) support students underrepresented in science and engineering who are pursuing research-based STEM studies to help those students continue and complete those studies.

(d) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated—

(1) to carry out subsection (a) \$1,000,000 for fiscal year 2022 and for each of the 4 succeeding fiscal years; and

(2) to carry out subsections (b) and (c), \$1,000,000 for fiscal year 2022 and for each of the 4 succeeding fiscal years.

Subtitle B—Increasing Funding for Graduate Education

SEC. 21. FELLOWSHIPS FOR GRADUATE STUDENTS IN COVERED FIELDS.

(a) **GLOBAL COMPETITIVENESS AND NATIONAL SECURITY STEM FELLOWSHIP PROGRAM ESTABLISHED.**—The Director shall establish a graduate fellowship program through which the Director shall award funds to certain eligible students who have an approved application in accordance with subsection (b) (referred to in this section as “fellowship participants”).

(b) **APPLICATION; ELIGIBLE STUDENTS.**—

(1) **APPLICATION.**—The Director shall establish and make publicly available an application for eligible students who desire to receive funds under this section.

(2) **ELIGIBLE STUDENTS.**—A student may submit an application to the National Science Foundation to receive funds under this section if the student—

(A) is a United States citizen, an alien lawfully admitted for permanent residence (as the terms are defined in section 101(a) of the Immigration and Nationality Act (8 U.S.C. 1101(a)), or an alien who has been granted deferred action pursuant to the memorandum of the Department of Homeland Security entitled “Exercising Prosecutorial Discretion with Respect to Individuals Who Came to the United States as Children” issued on June 15, 2012; and

(B)(i) is in the final year of undergraduate education at an institution of higher education and is pursuing a research-based master’s or doctorate degree at an institution of higher education that offers graduate degrees in a covered field; or

(ii) is enrolled in a research-based master’s or doctorate degree program at an institution of higher education in a covered field and has completed less than 12 months of that program.

(3) **APPLICATION REVIEW.**—

(A) **IN GENERAL.**—The Director shall establish a process for reviewing applications received under this section and determining which applications will be approved. As part of such process the Director shall establish an interdisciplinary panel of scientists, engineers, or other relevant professional graduate education experts, who shall review the merit of the applications submitted and con-

sider the broadening participation criteria described in subparagraph (B).

(B) **BROADENING PARTICIPATION.**—In determining which applications are approved under this section, the Director shall ensure that consideration is given to applicants who would broaden participation in the program, including first-generation college students, low-income individuals, minority students, individuals underrepresented in science or engineering, individuals eligible for or receiving a Pell Grant, women pursuing studies in underrepresented fields, or individuals who attend or attended a minority-serving institution for the individual’s undergraduate degree.

(c) **FUNDING FOR FELLOWSHIP PARTICIPANTS.**—

(1) **IN GENERAL.**—The Director shall pay an annual stipend and additional expenses for each eligible student whose application is approved under subsection (b) in accordance with paragraph (2).

(2) **AMOUNT.**—The Director shall pay for each eligible student with an approved application under this section, for a total of 3 years—

(A) \$50,000 each year for living expenses, which shall be paid to the institution and disbursed annually as an aid stipend to the student;

(B) a tuition and fees allowance, which shall be \$15,000 per year and which shall be paid directly to the institution that student is attending for the student’s tuition and fees; and

(C) a \$2,000 professional development allowance, which shall be distributed to an eligible student by the Director, upon application, to reimburse the student for professional development expenses.

(3) **ADJUSTMENTS FOR INFLATION.**—The amounts described in paragraph (2) shall be the amounts for fiscal year 2021 and shall be adjusted annually for inflation.

(4) **EXEMPTION FROM TUITION AND FEES; TAX DISCLOSURE.**—An institution of higher education that enrolls a student who will participate in the fellowship under this section and that will receive funds described in subparagraph (A) and (B) of paragraph (2) on behalf of such student—

(A) shall agree to exempt such student from paying tuition and fees that are greater than the tuition and fees allowance under paragraph (2)(B) that are normally charged to students of similar academic standing, unless such charges are optional or are refundable; and

(B) shall provide that student with information about how funds received through the fellowship will be treated for Federal tax purposes.

(d) **ANNUAL MEETING.**—

(1) **IN GENERAL.**—The Director shall arrange an annual meeting for fellowship participants and representatives from relevant Federal agencies in order—

(A) to facilitate professional development and networking relating to covered fields; and

(B) to facilitate access to experiential training opportunities, which may include such training at national security facilities and federally funded research centers.

(2) **ATTENDANCE REQUIRED.**—Each fellowship participant shall be required to attend at least one annual meeting during the period covered by that recipient’s award, and the professional development allowance under subsection (c)(2)(C) may be used to cover expense for attendance at that meeting.

(e) **ADDITIONAL REQUIREMENTS.**—

(1) **TERMINATION.**—An individual’s participation in the fellowship under this section and receipt of funds under this section shall be terminated at the earlier of—

(A) the last day of the third year for which the individual has received funding under this section; or

(B) the date of degree completion, unless that individual is continuing from a master’s to a doctoral degree in a covered field and less than 3 years of funding had been distributed since the individual became a fellowship participant under this section.

(2) **REQUEST TO CHANGE SCHOOLS OR PROGRAMS OR SUSPEND OR DEFER PARTICIPATION.**—A fellowship participant who wishes to change institutions or programs, or suspend or defer fellowship participation, shall submit a request to the Director and must receive approval from the Director.

(3) **NO CONCURRENT AWARDS.**—An individual shall not be eligible to accept another Federal graduate fellowship concurrently with fellowship participation under this section.

(f) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section, \$500,000,000 for fiscal year 2022 and for each of the 4 succeeding fiscal years.

SEC. 22. NATIONAL SCIENCE FOUNDATION GRADUATE RESEARCH FELLOWSHIP PROGRAM.

There is authorized to be appropriated to the Director of the National Science Foundation, in addition to any other amounts appropriated, \$250,000,000 for the Graduate Research Fellowship Program in each of fiscal years 2022 through 2026.

SEC. 23. NATIONAL EMERGING SCIENCE AND TECHNOLOGY TRAINING PROGRAM.

(a) **IN GENERAL.**—The Director, in partnership with the Secretary of Defense and in consultation with the Under Secretary of Defense for Research and Engineering, shall establish a National Emerging Science and Technology Training Program to award grants to institutions of higher education to enable those institutions to establish training programs to educate cohorts of students in covered fields.

(b) **APPLICATION.**—An institution of higher education desiring to receive a grant under this section shall submit an application at such time, in such manner, and containing such information as the Director may reasonably require.

(c) **AWARDS.**—

(1) **AWARD TOTALS.**—Each grant award under this section shall be in an amount not to exceed \$5,000,000.

(2) **NUMBER OF AWARDS AND DISTRIBUTION.**—

(A) **NUMBER OF AWARDS.**—A minimum of 45 institutional awards shall be granted.

(B) **DISTRIBUTION.**—The Director shall—

(i) encourage institutions of higher education that are minority-serving institutions to apply for grants under this section; and

(ii) consider broader impacts when awarding grants under this section.

(3) **DURATION.**—The duration of awards made through the grant program shall not exceed 4 years.

(4) **USE OF FUNDS.**—

(A) **IN GENERAL.**—An eligible institution shall use award funds, in accordance with subparagraph (B), for the purposes of—

(i) providing training programs in covered fields led by faculty;

(ii) paying funds for the cost of attendance (as described in section 472 of the Higher Education Act of 1965 (20 U.S.C. 10871)) for eligible students participating in training programs established by this section;

(iii) establishing scientific or technical internship programs for students participating in training programs established by this section; and

(iv) other costs associated with the administration of the training program.

(B) **MINIMUM AMOUNT FOR TUITION AND OTHER COSTS.**—An eligible institution shall use not less than 70 percent of grant funds

for expenses described in subparagraph (A)(ii).

(C) **ELIGIBLE STUDENT.**—In this section the term “eligible student” means a student who is—

(i) a United States citizen or an alien lawfully admitted for permanent residence (as the terms are defined in section 101(a) of the Immigration and Nationality Act (8 U.S.C. 1101(a)) or an alien who has been granted deferred action pursuant to the memorandum of the Department of Homeland Security entitled “Exercising Prosecutorial Discretion with Respect to Individuals Who Came to the United States as Children” issued on June 15, 2012; and

(ii) pursuing a masters or doctorate degree in a covered field identified under section 11(c).

(d) **SELECTION CRITERIA.**—In making awards under this section, the Director and the Secretary shall consider—

(1) the relevance of the institution’s proposed program to existing and anticipated strategic national needs as determined by the study under section 11(a);

(2) the ability of the institution to effectively carry out the proposed program;

(3) the geographic location of an institution related to the Department of Defense’s needs for developing specific workforce capacity and skills within a particular region of the country;

(4) the extent to which the institution’s proposal would include students who are underrepresented in science and engineering, low-income students, women, minority students, and first-generation college students; and

(5) the integration of internship opportunities into the participant’s program, including internships or cooperative education agreements with government laboratories, nonprofit research organizations, or for-profit commercial entities.

(e) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section, \$250,000,000 for fiscal year 2022 and for each of the 4 succeeding fiscal years.

SEC. 24. STRENGTHENING TRANSPARENCY.

(a) **ASSESSMENTS.**—The Director shall conduct regular assessments of the programs established under this subtitle and other graduate research fellowship programs carried out by the National Science Foundation and provide additional publicly available information about those programs, including for each program—

(1) the number of applications received, disaggregated by undergraduate and graduate institution, race, gender, age, and eligibility for a Federal Pell Grant;

(2) the number of applications approved, disaggregated by undergraduate and graduate institution, race, gender, age, and eligibility for a Federal Pell Grant; and

(3) the internal partnerships between the National Science Foundation and institutions of higher education in order to develop a diverse science workforce.

(b) **REPORTS.**—The Director shall prepare and submit to Congress, and make publicly available, annual reports that show trends in how research fellowships and scholarships supported by the National Science Foundation are awarded to individuals from underrepresented groups, institutions of higher education, and entities from different geographic areas, in order to better show trends in the participation of underrepresented groups in such research fellowships and scholarships.

Subtitle C—Strengthening the National Security Research Workforce

SEC. 31. NATIONAL SECURITY RESEARCH FELLOWSHIP PROGRAM.

(a) **PROGRAM ESTABLISHED.**—The Director, in partnership with the Secretary of Defense and in consultation with the Under Secretary of Defense for Research and Engineering, shall carry out a program, to be known as the “National Security Research Fellowship Program” that will bolster Federal Government research by finding placements in the Federal Government for selected eligible graduates.

(b) **ELIGIBLE GRADUATES.**—The term “eligible graduate” means an individual who—

(1) is a United States citizen, an alien lawfully admitted for permanent residence (as the terms are defined in section 101(a) of the Immigration and Nationality Act (8 U.S.C. 1101(a)), or an alien who has been granted deferred action pursuant to the memorandum of the Department of Homeland Security entitled “Exercising Prosecutorial Discretion with Respect to Individuals Who Came to the United States as Children” issued on June 15, 2012; and

(2) graduated not more than 3 years prior to the date of the individual’s application, with a master’s or doctoral degree in a covered field.

(c) **APPLICATION; SELECTION OF ELIGIBLE GRADUATES.**—

(1) **APPLICATION.**—Eligible graduates who desire to participate in the National Security Research Fellowship Program shall submit an application at such time, in such manner, and containing such information as the Director may require, including information about the applicant’s educational background, previous research experience, publications or presentations, letters of recommendation, or written research proposals.

(2) **SELECTION.**—The Director shall establish a process for the selection of eligible graduates who apply, which may include a review and scoring of applications by a panel of experts in broad discipline areas after an evaluation of the demonstrated ability of the individual as a student and potential for contributions as an independent scientist.

(d) **NATIONAL SECURITY RESEARCH FELLOWSHIP PROGRAM.**—Through the National Security Research Fellowship Program, the Director shall—

(1) select eligible graduates who apply for the program in accordance with subsection (c);

(2) facilitate placement in a 3-year postdoctoral research position in a covered field with a Federal agency for selected eligible graduates;

(3) provide those eligible graduates with an orientation process and a mentor;

(4) facilitate opportunities for participants who have completed the program to transfer to a permanent civil service position with the Federal Government in a covered field after completion of program; and

(5) ensure that eligible participants in the program receive the educational award described in section 32.

(e) **EDUCATIONAL AWARDS.**—

(1) **IN GENERAL.**—Each individual who completes not less than 2 years of the 3-year National Security Research Fellowship Program described in this section shall be eligible to receive an educational award in accordance with this subsection.

(2) **EDUCATIONAL AWARD.**—Each individual described in paragraph (1) shall receive an educational award in an amount equal to the product of—

(A) the maximum amount of a Federal Pell Grant for the most recent year; multiplied by

(B) the number of years of participation in the fellowship program (whether 2 or 3 years, as the case may be).

(3) **USE OF EDUCATIONAL AWARD.**—The educational award under this section—

(A) may be used for attendance at an institution of higher education (as defined in section 102 of the Higher Education Act of 1965 (20 U.S.C. 1002)); or

(B) may be used to repay a Federal or private student loan of the individual.

(f) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section, \$750,000,000 for fiscal year 2022 and for each of the 4 succeeding fiscal years.

SEC. 32. EARLY CAREER FACULTY SUPPORTS.

(a) **RIISING FACULTY PROFESSIONAL ADVANCEMENT PROGRAM.**—

(1) **ESTABLISHMENT OF PILOT PROGRAM.**—Not later than 1 year after the date of enactment of this Act, the Director shall establish a 5-year pilot mentorship program to be known as “Rising Faculty Professional Advancement Program” (referred to in this section as the “program”) in order to increase the diversity of faculty in STEM fields.

(2) **PURPOSE.**—The purpose of the Rising Faculty Professional Advancement Program shall be—

(A) to increase the number of doctoral-level professionals from underrepresented groups in STEM fields who transition into faculty positions at institutions of higher education; and

(B) to improve mentorship and training for researchers who are navigating the transition in the research pipeline to becoming faculty, which is a time when a significant decrease in diversity often occurs.

(b) **PROGRAM PARTICIPANTS.**—

(1) **IN GENERAL.**—Eligible individuals who desire to participate in the program shall submit an application to the National Science Foundation at such time, in such manner, and containing such information as the Director may require, including—

(A) information about the eligible individual’s selected mentor and the mentor’s agreement to participate in the program;

(B) an assertion that the selected mentor is—

(i) a tenured faculty member at a research institution of higher education; or

(ii) a faculty equivalent at a National laboratory or Federal agency; and

(C) a description of the applicant’s reasoning for selecting that mentor.

(2) **ELIGIBILITY.**—An individual shall be eligible to participate in the program if the individual is a doctoral degree holding researcher in a post-doctoral research position or early-career faculty (defined as a faculty researcher with a title of assistant professor or other non-tenured equivalent).

(3) **PRIORITY.**—In selecting applicants to participate in the program—

(A) priority shall be given to—

(i) applicants from groups who are underrepresented in science and engineering; or

(ii) applicants holding degrees from or faculty positions at minority-serving institutions; and

(B) additional consideration may be given to—

(i) applicants holding doctoral degrees from institutions of higher education in the bottom 90 percent of research and development expenditures, as ranked by the National Center for Science and Engineering Statistics; and

(ii) applicants who are women and who hold positions from underrepresented fields.

(4) **NUMBER OF PARTICIPANTS.**—The Foundation shall select a cohort of not less than 100 eligible individuals to be program participants (referred to in this section as “Rising Faculty”) for each year of the pilot program.

(5) **OUTREACH.**—Not later than 1 year after the date of enactment of this Act, the Foundation shall—

(A) conduct outreach to solicit potential applicants for Rising Faculty and mentor participants; and

(B) make publicly available information about the expectations of mentor involvement and best practices in finding a mentor.

(c) **ACTIVITIES.**—

(1) **IN GENERAL.**—Not later than 1 year after the date of enactment of this Act, the Director shall establish program activities including—

(A) training for Rising Faculty and mentors;

(B) a program curriculum; and

(C) benchmarks for mentor engagement.

(2) **COLLABORATIVE RESEARCH.**—The Foundation shall encourage program mentors to network and enter into collaboration on research projects with Rising Faculty and other mentors within the program.

(3) **SURVEY.**—Following the first year of program enrollment, and on an annual basis during the program, the Director shall—

(A) conduct a survey of Rising Faculty and mentors to determine best practices and outcomes achieved;

(B) collect information about the demographics of Rising Faculty and mentor participants; and

(C) conduct additional surveys or other analyses of Rising Faculty who completed the program to assess career progression for not more than 5 years following the completion of the program by Rising Faculty.

(d) **MEETINGS.**—

(1) **BIANNUAL MEETINGS.**—

(A) **IN GENERAL.**—The Foundation shall hold biannual meetings for mentors, Rising Faculty, and individuals who have previously completed the program. The Foundation may award travel grants for Rising Faculty who lack discretionary travel funds to attend the biannual meeting.

(B) **INTRODUCTORY MEETING.**—The Foundation shall hold one meeting at the start of each cohort's program year which may include program introduction, mentor training, career training for Rising Faculty, and networking, with the goal of advancing early-career researchers along the academic faculty track, and any other activities the Foundation determines are appropriate for the career advancement of Rising Faculty.

(C) **SECOND MEETING.**—The Foundation shall hold a second meeting in the last quarter of the program year, which may include opportunities for networking, continued training, promotion of continued mentorship after program completion, solicited feedback from Rising Faculty, and any other activities the Foundation determines are appropriate for the career advancement of Rising Faculty.

(e) **REPORT TO CONGRESS.**—Not later than 3 years after the date of enactment of this Act, the Director shall submit a report to Congress that includes a summary and analysis of the types and frequency of activities and policies developed and carried out under the pilot program.

(f) **ASSESSMENT OF THE PILOT PROGRAM AND RECOMMENDATIONS.**—Not later than 180 days after the conclusion of the pilot program, the Director shall provide a report to the appropriate committees of Congress with respect to the pilot program, which shall include—

(1) a description and evaluation of the status and effectiveness of the program, including a summary of survey data collected;

(2) an assessment of the success and utility of the pilot program in meeting the purposes of this section; and

(3) a recommendation about continuing the program on a pilot or permanent basis.

(g) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated to carry out this section, \$10,000,000 in each of fiscal years 2022 through 2026.

SEC. 33. NATIONAL SCIENCE FOUNDATION FACULTY EARLY CAREER DEVELOPMENT AWARDS.

There is authorized to be appropriated to the Director of the National Science Foundation, in addition to any other amounts appropriated, \$400,000,000 for National Science Foundation Faculty Early Career Development Awards for fiscal years 2022 through 2026.

SA 1910. Mr. THUNE submitted an amendment intended to be proposed by him to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. _____. REPORT ON COUNTRY-OF-ORIGIN LABELING FOR BEEF, PORK, AND OTHER MEAT PRODUCTS.

Not later than one year after the date of the enactment of this Act, the United States Trade Representative, in conjunction with the Secretary of Agriculture, shall submit to the Committee on Finance of the Senate and the Committee on Ways and Means of the House of Representatives a report on the ruling issued by the World Trade Organization in 2015 on country-of-origin labeling for beef, pork, and other meat products that includes—

(1) an assessment of the impact of the ruling on—

(A) consumer awareness regarding the origin of meat consumed in the United States;

(B) agricultural producers in the United States; and

(C) the security and resilience of the food supply in the United States; and

(2) if the assessment under paragraph (1) indicates that the ruling or other market factors in the United States, including consolidation of meat processors, changes in diet and preferences, or other factors, have had a negative impact on consumers in the United States, agricultural producers in the United States, or the overall security and resilience of the food supply in the United States, recommendations for such legislative or administrative action as the Trade Representative, in conjunction with the Secretary of Agriculture, considers appropriate—

(A) to better inform consumers in the United States;

(B) to support agricultural producers in the United States; and

(C) to improve the security and resilience of the food supply in the United States.

SA 1911. Mr. SULLIVAN (for himself, Mr. CORNYN, and Mr. SCOTT of South Carolina) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science,

research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title V of division B, add the following:

SEC. 2528. FEDERAL REQUIREMENTS FOR AWARD.

(a) **IN GENERAL.**—Consistent with the First Amendment to the Constitution for public institutions, and in compliance with stated institutional policies regarding freedom of speech for private institutions, and all applicable Federal laws, regulations, and policies, entities receiving awards under title I or title II of this division shall—

(1) protect free speech, viewpoint diversity, the free exchange of ideas, and academic freedom, including extramural speech of staff and students;

(2) protect religious liberty; and

(3) prohibit discrimination, consistent with titles IV and VI of the Civil Rights Act of 1964 (42 U.S.C. 2000c et seq; 2000d et seq.).

(b) **ATTESTATION.**—

(1) **IN GENERAL.**—An institution of higher education that submits an application for Federal funding under title I or II of this division, or an amendment made by title I or II of this division, shall provide to the Director, as part of such application—

(A) an intra-institutional attestation that the institution is in compliance with the requirements under subsection (a); and

(B) information on the actions taken by the institution to ensure such compliance.

(2) **ANNUAL SUBMISSION.**—An institution shall not be required to submit an attestation under paragraph (1) more than once per year.

(c) **DIRECTOR REPORT.**—The Director shall annually transmit to Congress and make public on the website of the Foundation the attestations submitted under subsection (b).

(d) **OFFICE OF INSPECTOR GENERAL REPORT.**—Not later than one year after the date of enactment of this division, and every 2 years thereafter, the Office of Inspector General of the Foundation shall submit a report to Congress that contains a review of the efforts of the Foundation to ensure that all recipients of an award from the Foundation are aware of and in compliance with all Federal requirements for such an award, including the requirements under subsection (a).

SA 1912. Mrs. HYDE-SMITH submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in subtitle B of title VI of division B, insert the following:

SEC. 26 _____. SUPPORT FOR STENNIS SPACE CENTER AS PRIMARY HYDROGEN RESEARCH AND DEVELOPMENT AND TESTING CENTER FOR NASA.

(a) **IN GENERAL.**—The Administrator shall fully leverage and use the unique hydrogen expertise, fuel farm, and testing platforms at the Stennis Space Center for testing any federally funded program or public-private partnership involving the use of hydrogen in space exploration, space technology, and aeronautics.